

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1           1. (Currently amended) A computer implemented method to facilitate  
2           suspending threads in a platform-independent virtual machine implemented on an  
3           operating system that lacks a global mechanism for suspending threads,  
4           comprising:  
5                 scheduling a thread to execute that requires other threads to be suspended  
6           during execution; and  
7                 in response to scheduling the thread,  
8                         changing a scheduling policy for the thread, wherein  
9                         changing the scheduling policy for the thread includes changing the  
10                        scheduling policy from round-robin to first-in, first-out, which  
11                        guarantees that the thread will run to completion without being  
12                        interrupted by an event timer mechanism. and  
13                        raising a priority of the thread to a highest available  
14                        priority, whereby changing the scheduling policy and raising the  
15                        priority of the thread causes the thread to run to completion while  
16                        other threads do not run.

1           2. (Previously presented) The computer implemented method of claim 1,  
2           further comprising:  
3                 upon completion of the thread,

4                               reducing the priority of the thread to an assigned priority;  
5                               and  
6                               returning the scheduling policy of the thread to an assigned  
7                               scheduling policy.

1               3. (Previously presented) The computer implemented method of claim 1,  
2 wherein the thread requiring other threads to be suspended includes a garbage  
3 collection thread.

1               4 (Canceled).

1               5. (Previously presented) The computer implemented method of claim 1,  
2 wherein the operating system that lacks the global mechanism for suspending  
3 threads includes POSIX.

1               6. (Previously presented) The computer implemented method of claim 1,  
2 wherein the platform-independent virtual machine includes a JAVA VIRTUAL  
3 MACHINE™.

1               7. (Previously presented) The computer implemented method of claim 1,  
2 further comprising performing a garbage collection with the thread.

1               8. (Currently amended) A computer-readable storage medium storing  
2 instructions that when executed by a computer cause the computer to perform a  
3 method to facilitate suspending threads in a platform-independent virtual machine  
4 implemented on an operating system that lacks a global mechanism for  
5 suspending threads, the method comprising:

6 scheduling a thread to execute that requires other threads to be suspended  
7 during execution; and  
8 in response to scheduling the thread,  
9 changing a scheduling policy for the thread, wherein  
10 changing the scheduling policy for the thread includes changing the  
11 scheduling policy from round-robin to first-in, first-out, which  
12 guarantees that the thread will run to completion without being  
13 interrupted by an event timer mechanism, and  
14 raising a priority of the thread to a highest available  
15 priority, whereby changing the scheduling policy and raising the  
16 priority of the thread causes the thread to run to completion while  
17 other threads do not run.

1 9. (Original) The computer-readable storage medium of claim 8, the  
2 method further comprising:  
3 upon completion of the thread,  
4 reducing the priority of the thread to an assigned priority;  
5 and  
6 returning the scheduling policy of the thread to an assigned  
7 scheduling policy.

1 10. (Original) The computer-readable storage medium of claim 8, wherein  
2 the thread requiring other threads to be suspended includes a garbage collection  
3 thread.

1 11 (Canceled).

1           12. (Original) The computer-readable storage medium of claim 8, wherein  
2     the operating system that lacks the global mechanism for suspending threads  
3     includes POSIX.

1           13. (Original) The computer-readable storage medium of claim 8, wherein  
2     the platform-independent virtual machine includes a JAVA VIRTUAL  
3     MACHINE™.

1           14. (Original) The computer-readable storage medium of claim 8, the  
2     method further comprising performing a garbage collection with the thread.

1           15-21 (Canceled).